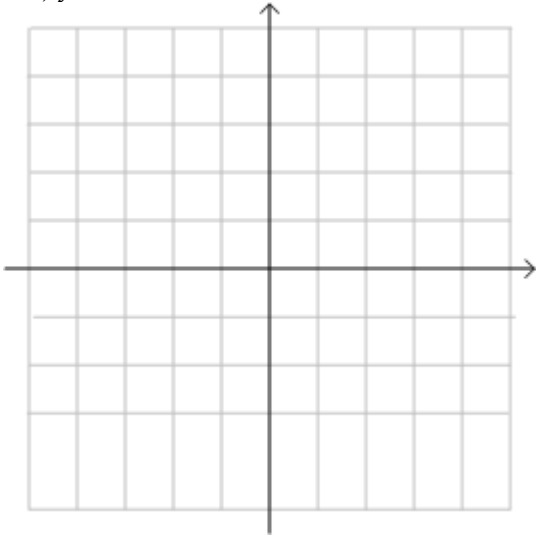
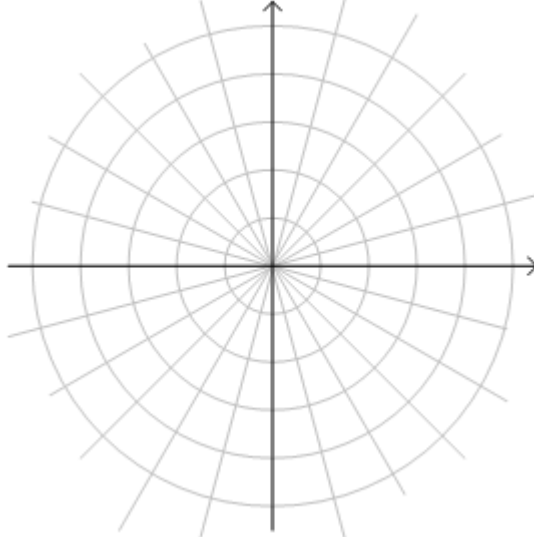


For each of the following problems, pick a positive constant value for k and let θ be a variable measured in radians. x , y , and r are also variables. Graph each equation. **Try these without a calculator first and then you may use your calculator to verify your answers if you wish.**

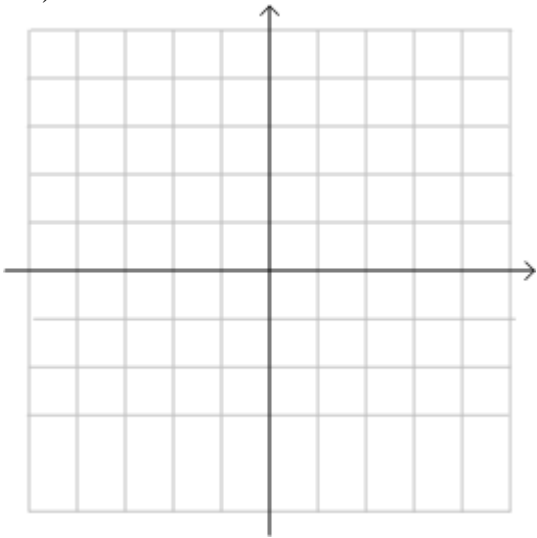
1a.) $y = k$



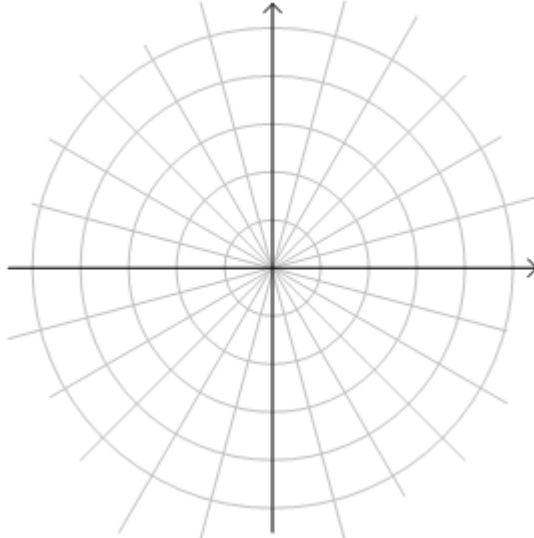
1b.) $r = k$ (You may use different k 's in 1a and 1b.)



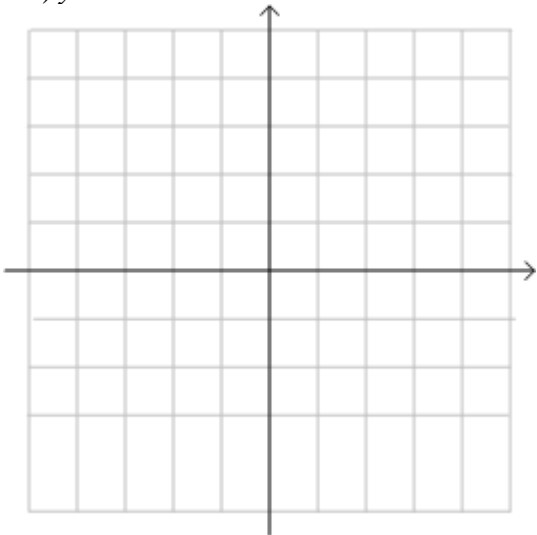
2a.) $x = k$



2b.) $\theta = k$ (You may use different k 's in 2a and 2b.)



3a.) $y = x$



3b.) $r = \theta$ (You may want try restricting θ to positive values at first.)

